

FCC TEST REPORT

Report No. : EMI00-007A

Tested Date: Mar./22/2000

Test Performed By
Philips Electronics Industries (Taiwan) Ltd.
Business Electronics
EMC Lab.

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Manufacturer : Philips Business Electronics

Tested System:

1. EUT	: 140S1	s/n: TY9904065
FCC ID	: A3KM096	
2. Computer	: HP D5044N	s/n: FR80627955
FCC ID	: B94VECTRAV6DT	
3. Keyboard	: HP 3746	s/n: J73I9E0095
FCC ID	: FCC Logo	
4. Mouse	: HP M-S34	s/n: LZA7354
FCC ID	: DZL211029	
5. Modem	: USRobotics 268	s/n: 002680559278575
FCC ID	: CJE-0318	
6. Printer	: HP2225C	s/n: 3123S97227
FCC ID	: DSI6XU2225	
7. Video Card	: Metabyte GIA	s/n:10543
FCC ID	: I27MM-VS03A	

Note: Test was performed in according with FCC measurement procedure ANSI C63.4-1992
“AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF RADIO-NOISE
EMISSION FROM LOW-VOLTAGE ELECTRONIC EQUIPMENT IN THE RANGE
OF 9KHz TO 40GHz”

Monitor was connected to floor mounted AC outlet.
48.3KHz mode (1024x768/60Hz) was tested.
D-sub flying (undetachable) I/F cable with two ferrite cores was used.
AC adapter with non-shield power cord was used during test.

The test equipment used for testing please refer to the list as attached.

Deviation: None

Radiated RF Level – Peak Value

Frequency (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
75.0	32.8	32.4	40.0
131.25	26.11	28.21	43.5
168.75	27.37	28.07	43.5
206.26	34.5	35.1	43.5
225.0	32.4	33.5	46.0
243.75	32.96	33.86	46.0

262.5	34.32	37.02	46.0
300.0	35.4	36.2	46.0
318.75	31.77	32.47	46.0
356.25	31.4	32.7	46.0
375.0	34.2	33.5	46.0
393.75	31.78	32.78	46.0
431.25	33.84	38.54	46.0
450.0	34.1	37.1	46.0
487.5	36.71	37.51	46.0
506.25	35.04	35.14	46.0
525.0	39.4	39.7	46.0
656.25	37.1	39.1	46.0
975.0	41.6	41.2	54.0

Spectrum Analyzer Setting:

RBW: 100KHz

VBW: 100KHz

Quasi-peak Values were taken with Rohde & Schwarz ESVS 30 EMI test receiver.

Radiated RF Level – QP Value

Frequency (MHz)	Horizontal (dB μ v/m)	Vertical (dB μ v/m)	FCC/B Limit (dB μ v/m)
37.5	31.88	34.28	40.0
56.25	29.96	36.16	40.0
412.5	36.05	40.65	46.0
543.75	40.77	36.57	46.0
562.6	36.31	40.51	46.0
581.25	34.57	40.97	46.0
600.0	36.5	38.5	46.0
618.75	41.00	39.60	46.0
712.5	36.04	37.04	46.0
750.0	40.1	40.0	46.0
768.75	39.10	39.70	46.0
787.5	40.3	38.90	46.0
825.0	40.31	40.4	46.0
862.5	38.31	37.11	46.0
900.0	39.6	38.6	46.0
937.5	38.35	38.45	46.0

The spectrum was scanned from 30 to 1000MHz and the significant emissions were recorded.
Test distance between device under test and receiving antenna was 3-meter.

Sample of calculation:

Final value (dBuV/m) = Antenna Factor (dB) + Cable Loss (dBuV) + Reading (dBuV/m)

Tested By:



C.C. Wu

Checked By:



K.J.Hsu – EMC Engineer
NVLAP Signatory





